

OrthGuide Digital Platform Usage Guidelines



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PART ONE

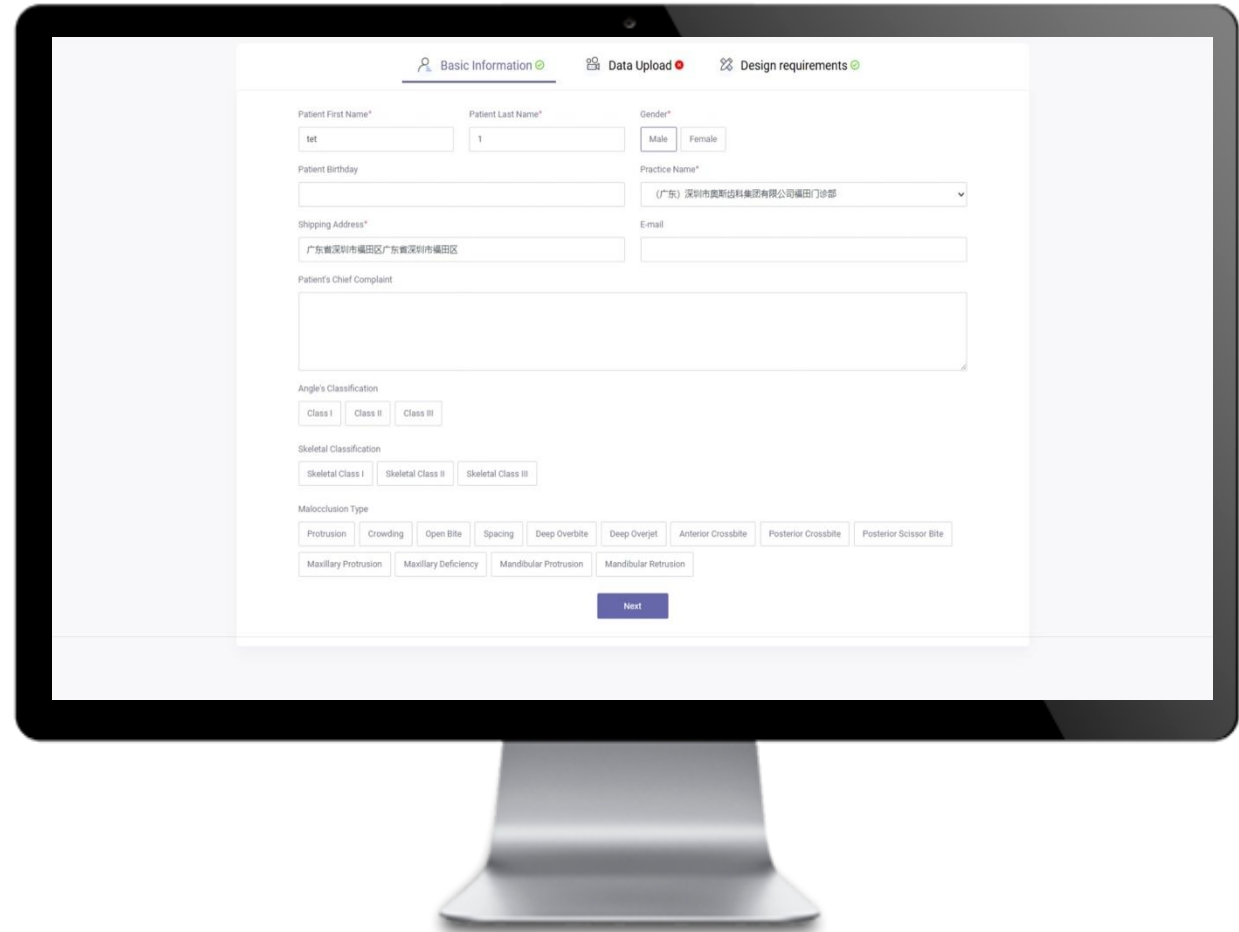
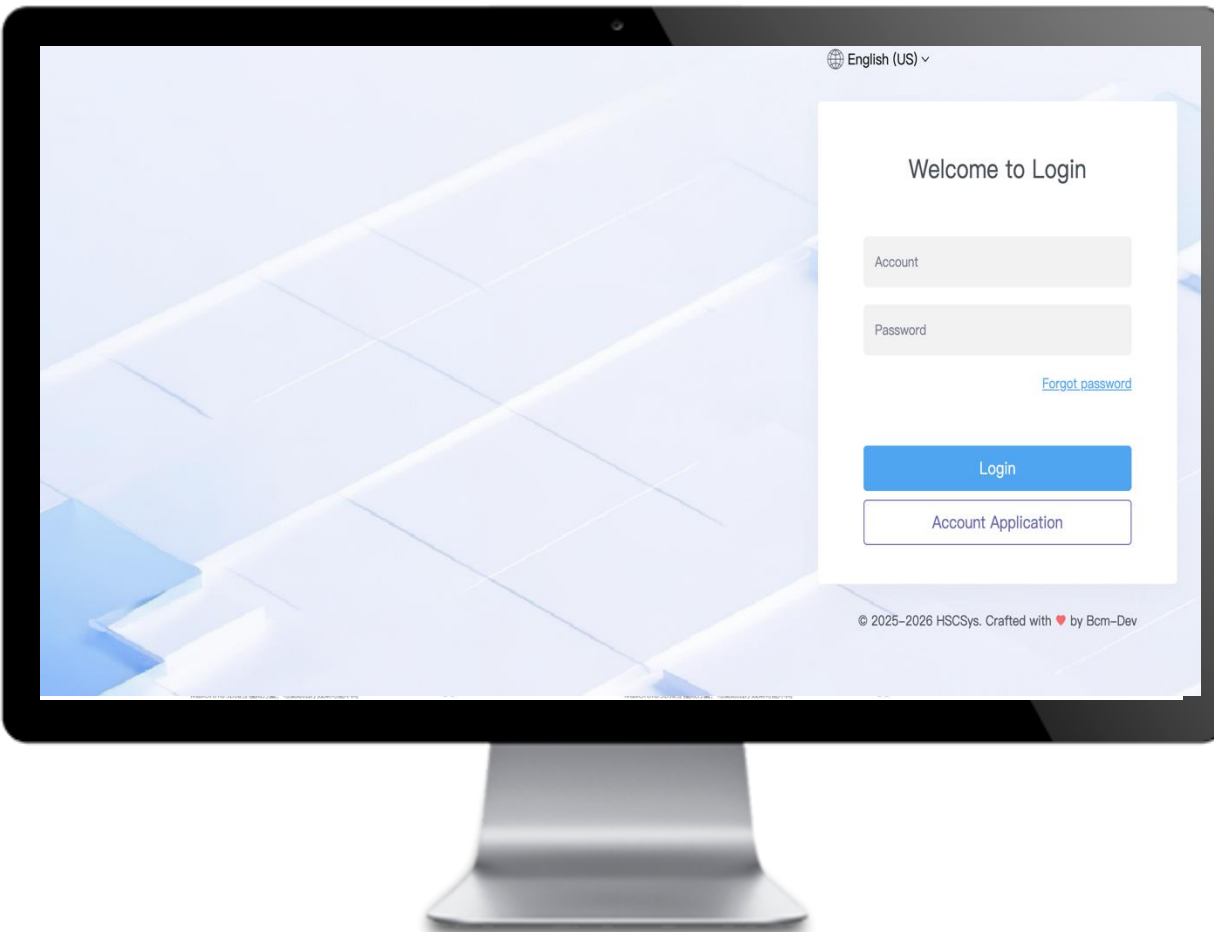
Digital Case Submission

- **Step 1: Search in Google Chrome - <http://153.35.179.94:13489/>**

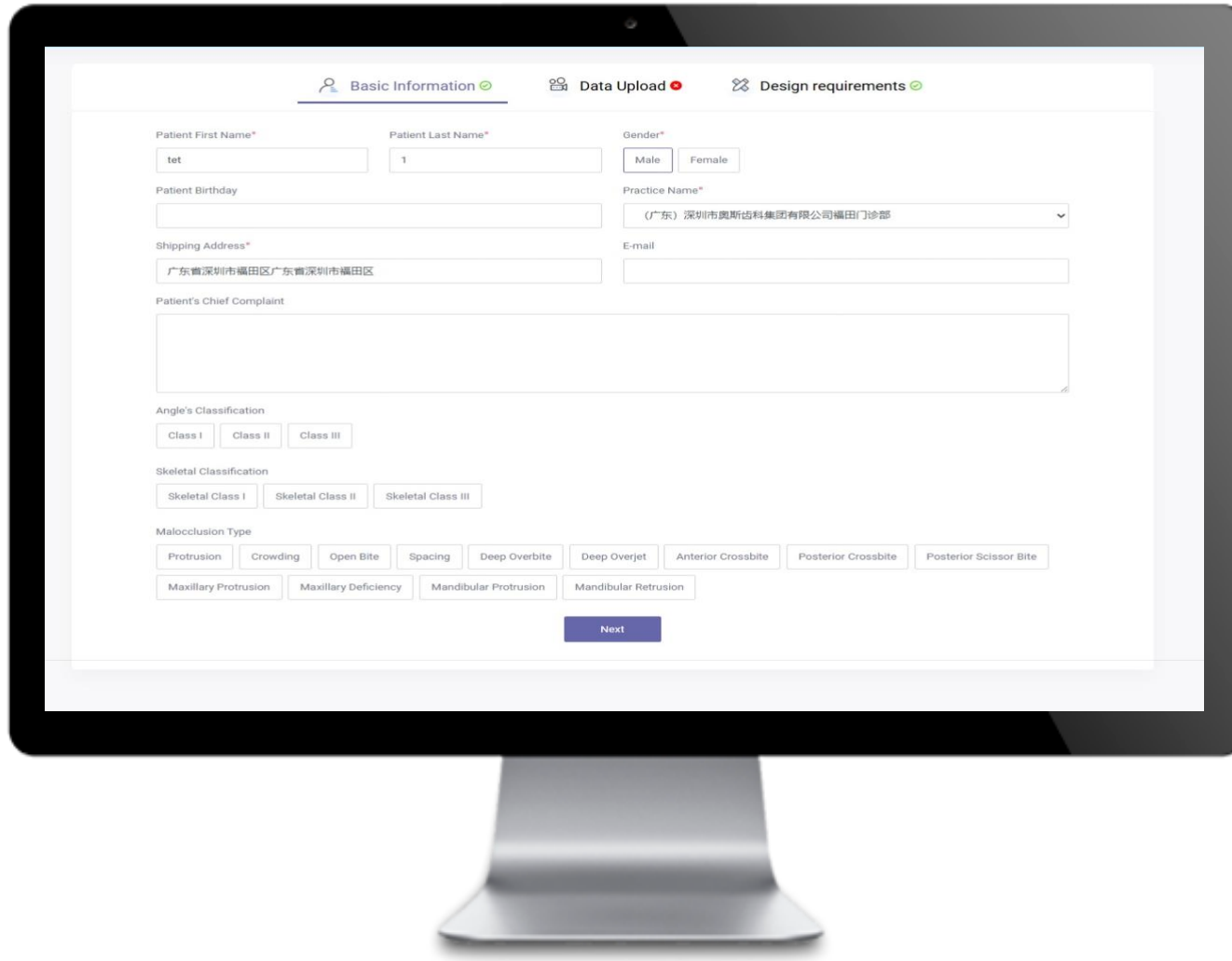
Log in with your ID to access the case submission page directly.

Use ID to log in.

Enter in the submission page.



- **Step 2: Fill in Patient Information**



The screenshot shows a web application interface for entering patient information. At the top, there are three tabs: "Basic Information" (active), "Data Upload", and "Design requirements". The form is divided into several sections:

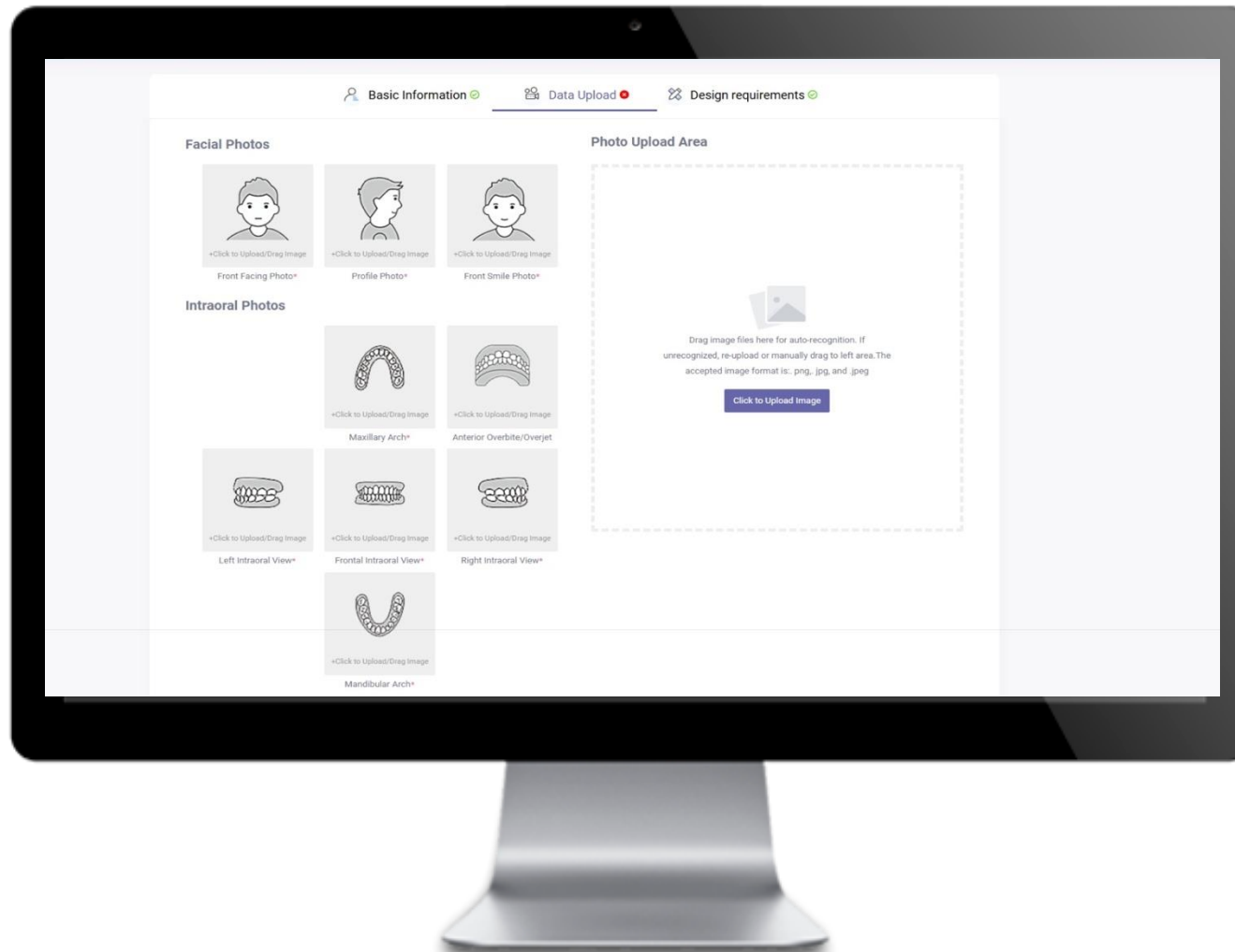
- Patient First Name***: Input field with "tet".
- Patient Last Name***: Input field with "1".
- Gender***: Radio buttons for "Male" and "Female".
- Patient Birthday**: Input field.
- Practice Name***: Dropdown menu with "(广东) 深圳市奥斯特齿科集团有限公司福田门诊部".
- Shipping Address***: Input field with "广东省深圳市福田区广东省深圳市福田区".
- E-mail**: Input field.
- Patient's Chief Complaint**: Large text area.
- Angle's Classification**: Radio buttons for "Class I", "Class II", and "Class III".
- Skeletal Classification**: Radio buttons for "Skeletal Class I", "Skeletal Class II", and "Skeletal Class III".
- Malocclusion Type**: Multiple checkboxes for "Protrusion", "Crowding", "Open Bite", "Spacing", "Deep Overbite", "Deep Overjet", "Anterior Crossbite", "Posterior Crossbite", "Posterior Scissor Bite", "Maxillary Protrusion", "Maxillary Deficiency", "Mandibular Protrusion", and "Mandibular Retrusion".

At the bottom of the form is a blue "Next" button.

- Enter basic patient info.
- Verify the accuracy.
- Select the clinical status.
- Click "Next" when completing.

- **Step 3: Upload Case Materials**

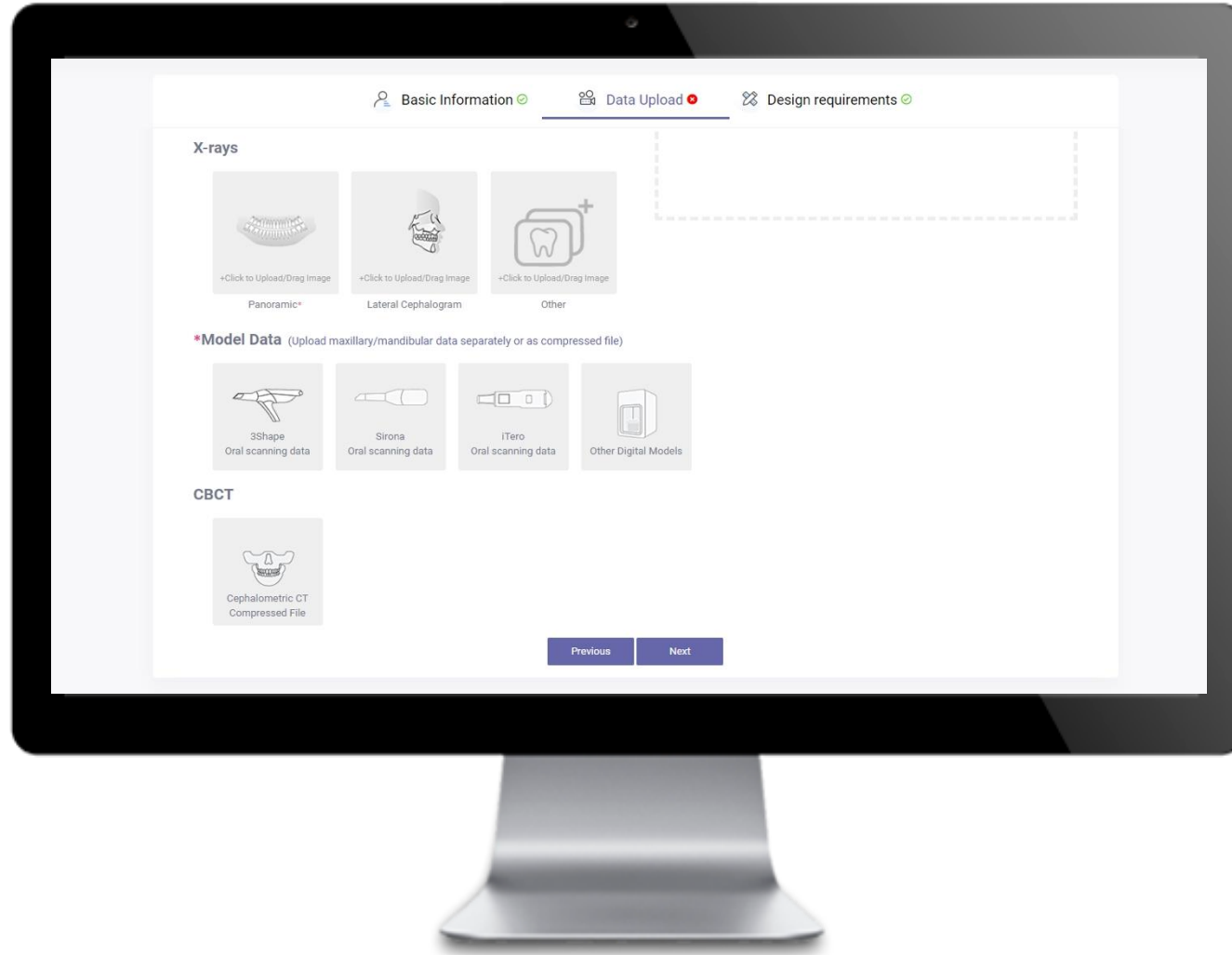
Upload patient images as required.



- ✓ Remove any objects that may obstruct the intraoral view – saliva, plaque, blood, etc.
- ✓ Use the same non-distracting background when taking all extraoral photos before and after treatment.
- ✓ Intraoral photos must include only teeth and soft tissue.
- ✓ Mirror function is allowed, but images must be flipped before submitting the treatment request. Otherwise, confusion may occur during treatment planning.

- **Step 3: Upload Case Materials**

Click “Next” after upload is complete.



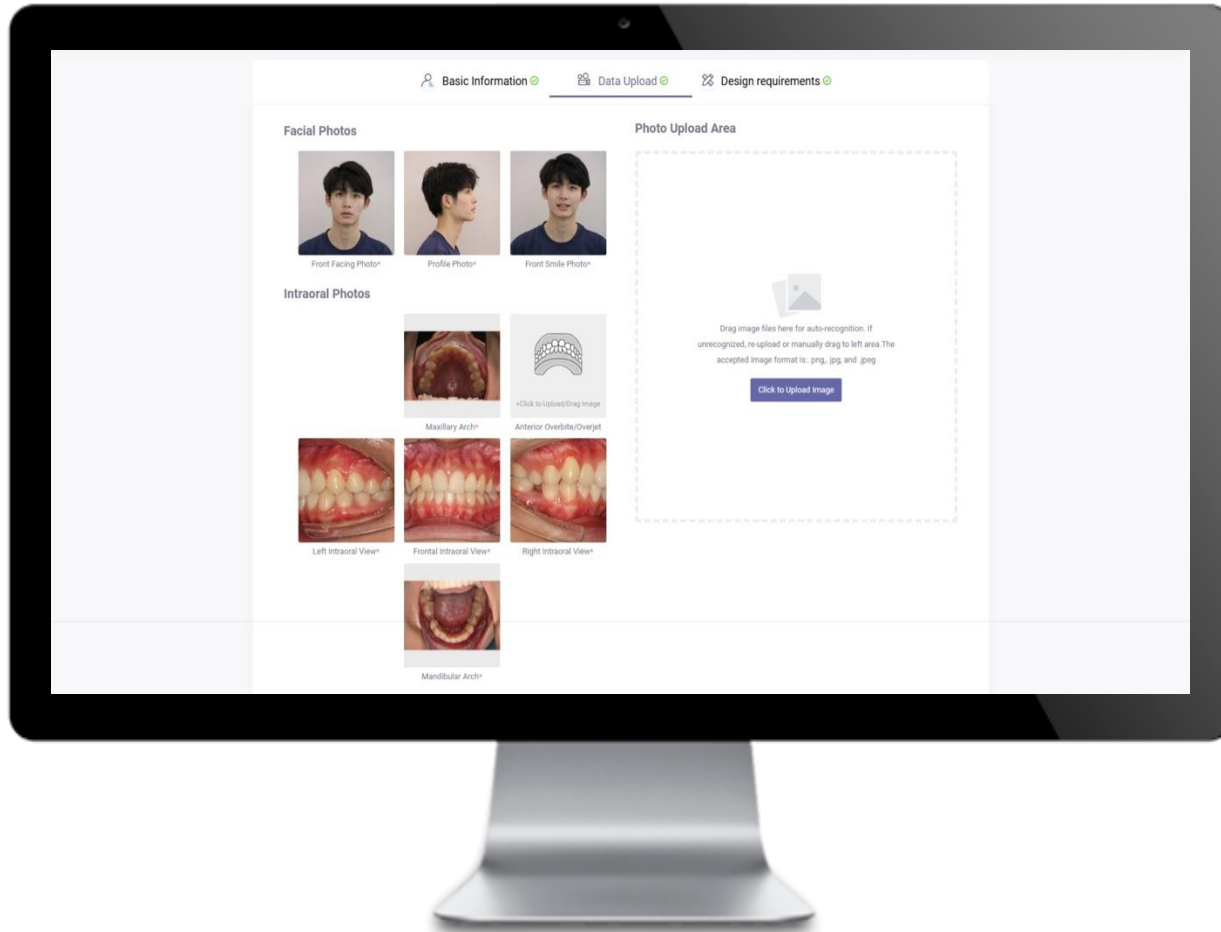
X-rays

If certain teeth should not be moved during treatment (e.g. implants), please not this on the prescription form.

Ideal Intraoral Scan Files

- All teeth clearly visible.
- Capture 2mm of gingival tissue.
- Record the distal surface of the most posterior teeth.
- Record the full incisal/occlusal surfaces and proximal surfaces of the mandibular and maxillary arches.
- Obtain an accurate bite registration with the patient in central occlusion.

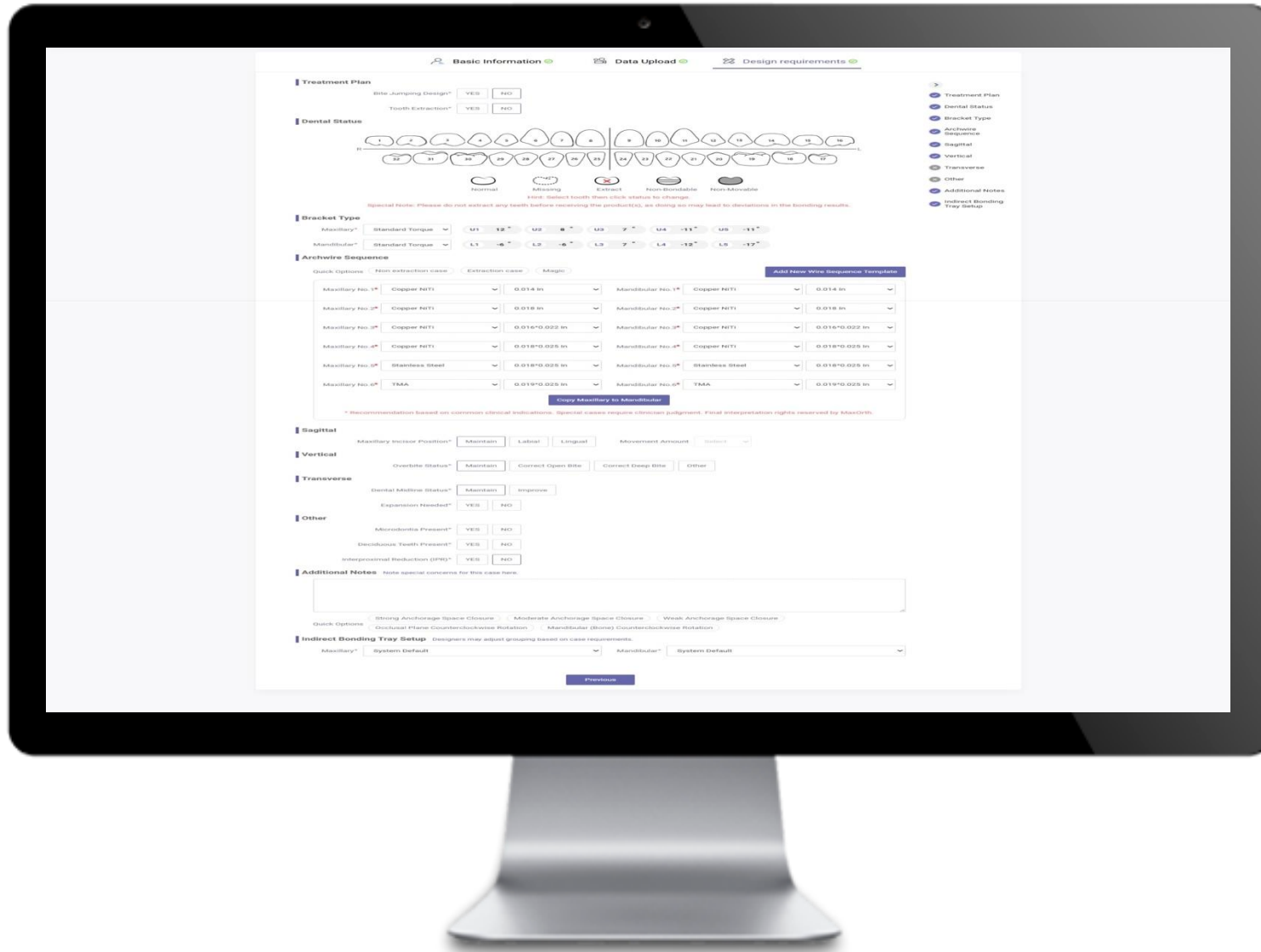
- **Step 4: Upload Completion Display**



• Step 5: Complete the Prescription Form

Items included:

1. Treatment preferences.
 2. Clinical preferences for specific cases (all users can edit the template preferences).
 3. Specific case details.
 4. Dental arches to be treated.
 5. Restrictions, extractions, and missing teeth.
- Complete the prescription form.
 - Enter the design requirements according to the CASE.
 - Verify all requirements for accuracy.
 - Select " Submit" after verification is complete.



The screenshot displays the 'Design requirements' tab of the ORTHGUIDE Prescription Form. The interface includes a sidebar with navigation links: Treatment Plan, Dental Status, Bracket Type, Archwire Sequence, Sagittal, Transverse, Other, Additional Notes, and Indirect Bonding Tray Setup.

Treatment Plan: Site Jumping Designer (YES/NO), Tooth Extraction (YES/NO).

Dental Status: A dental arch diagram showing tooth status (1-32) with icons for Normal, Missing, Extract, Non-Extraction, and Non-Movable. A note states: 'Special Note: Please do not extract any teeth before receiving the product(s), as doing so may lead to deviations in the bonding results. Here, select teeth that you intend to change.'

Bracket Type: Maxillary (Standard Torque) and Mandibular (Standard Torque) with torque values (e.g., U1 12°, U2 8°, U3 7°, U4 -11°, U5 -11°).

Archwire Sequence: Quick Options (Non-extraction case, Extraction case, Magic) and a table for Maxillary and Mandibular archwires (e.g., Maxillary No. 1# Copper RTI, 0.014 in).

Sagittal: Maxillary Incisor Position (Maintain, Labial, Lingual) and Movement Amount (Intrusion).

Vertical: Overbite Status (Maintain, Correct Open Bite, Correct Deep Bite, Other).

Transverse: Dental Midline Status (Maintain, Improve).

Other: Expansion Headed (YES/NO), Microbonds Present (YES/NO), Deciduous Teeth Present (YES/NO), Interproximal Reduction (IPR) (YES/NO).

Additional Notes: A text area for special concerns.

Indirect Bonding Tray Setup: Maxillary (System Default) and Mandibular (System Default).

A 'Previous' button is located at the bottom of the form.

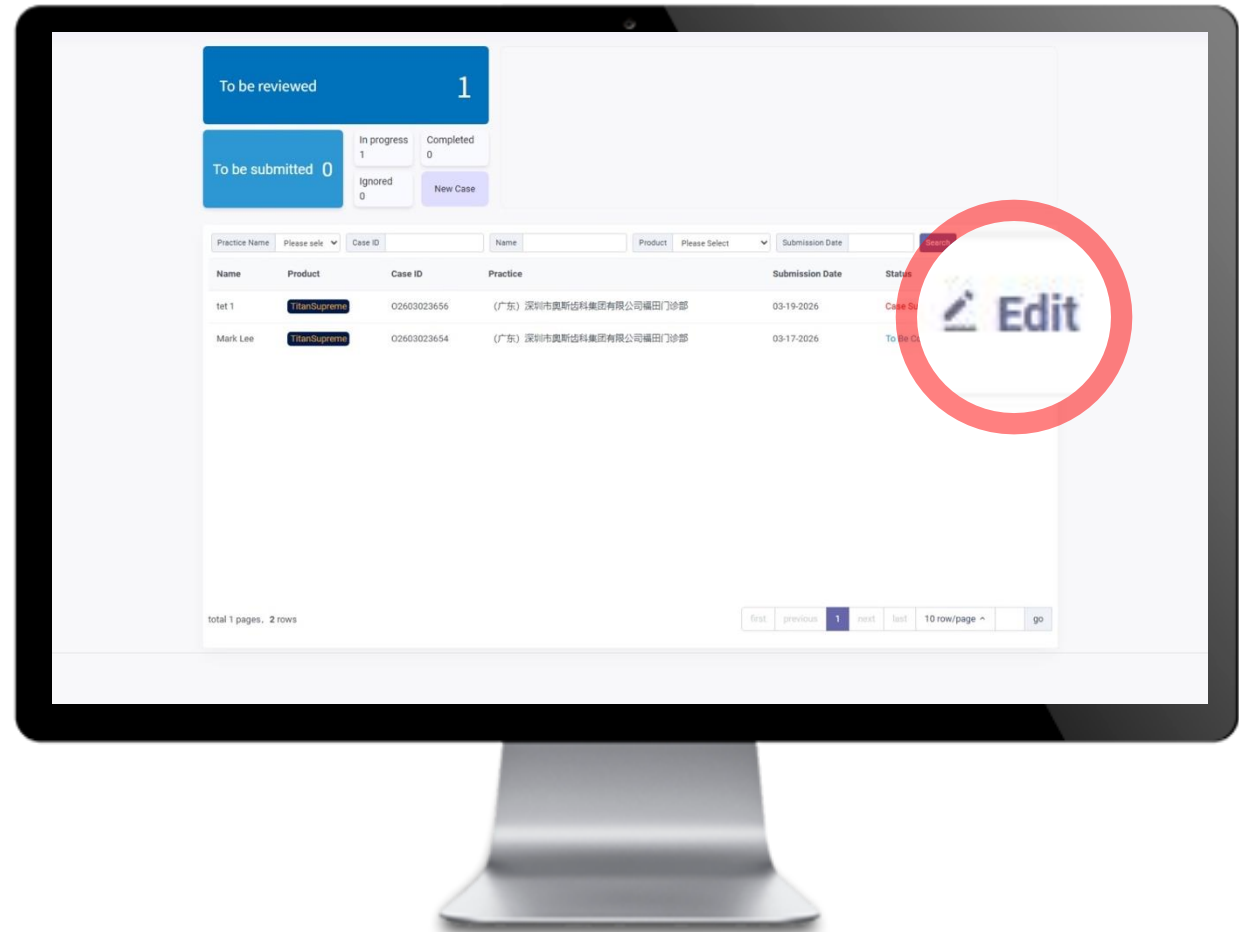
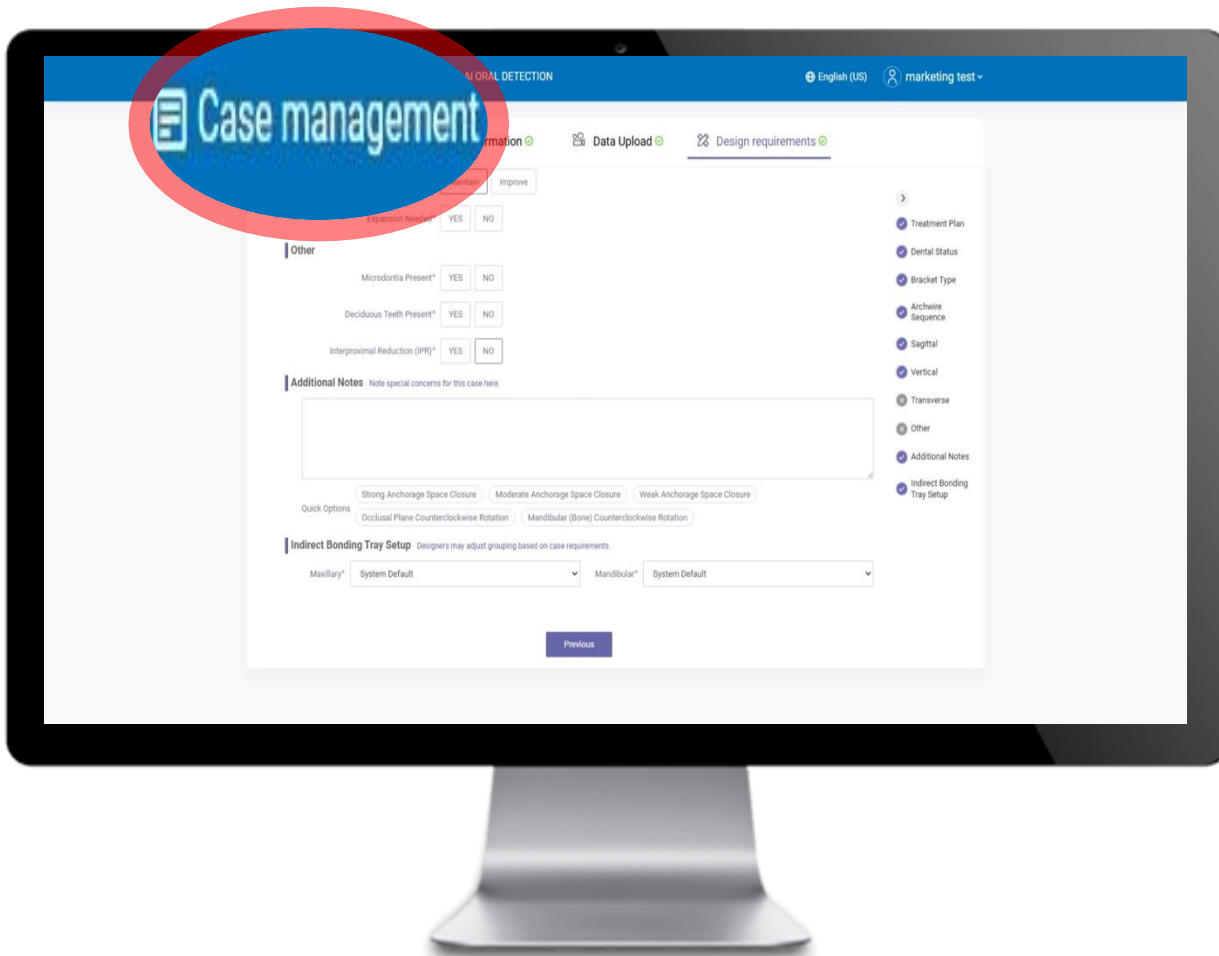
PART TWO

Digital Case Review

● Progress/Design Checking

After completion, click “Case management” to check progress.

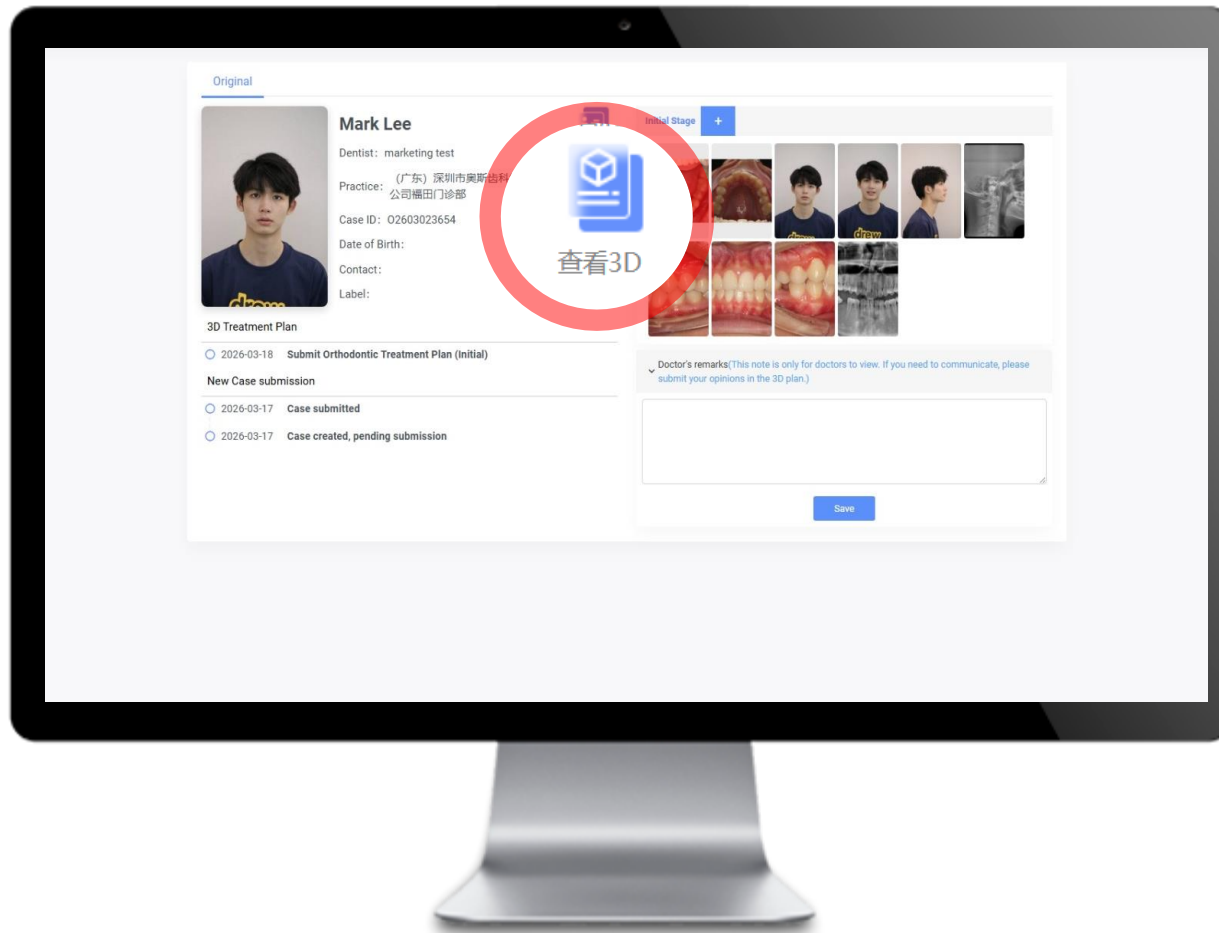
To view the design, click “Edit” .



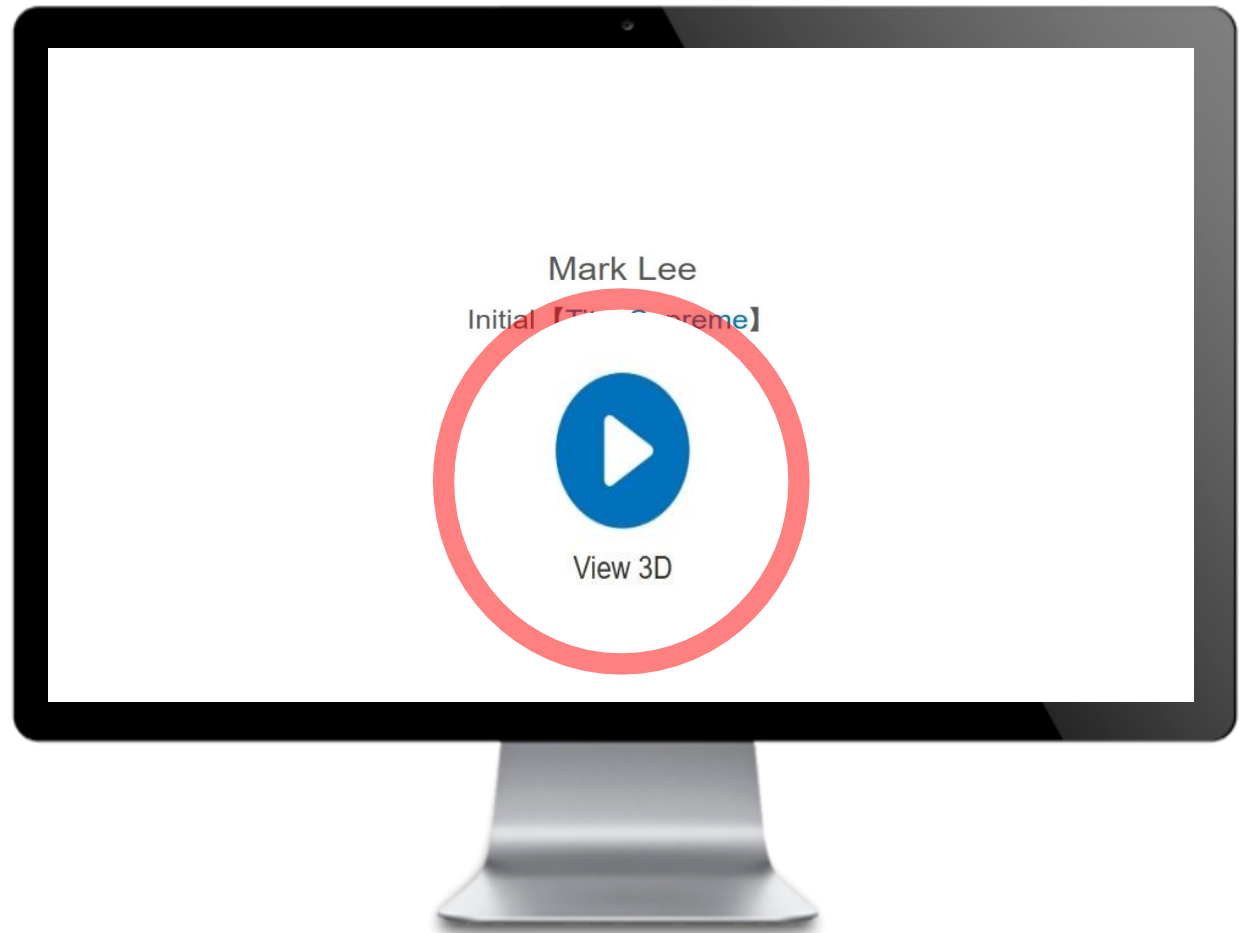
● Case Details Interface

You can leave a message for the CAD designers when reviewing and revising the initial treatment plan.

Click to view 3D.



Redirect to view 3D treatment plan.

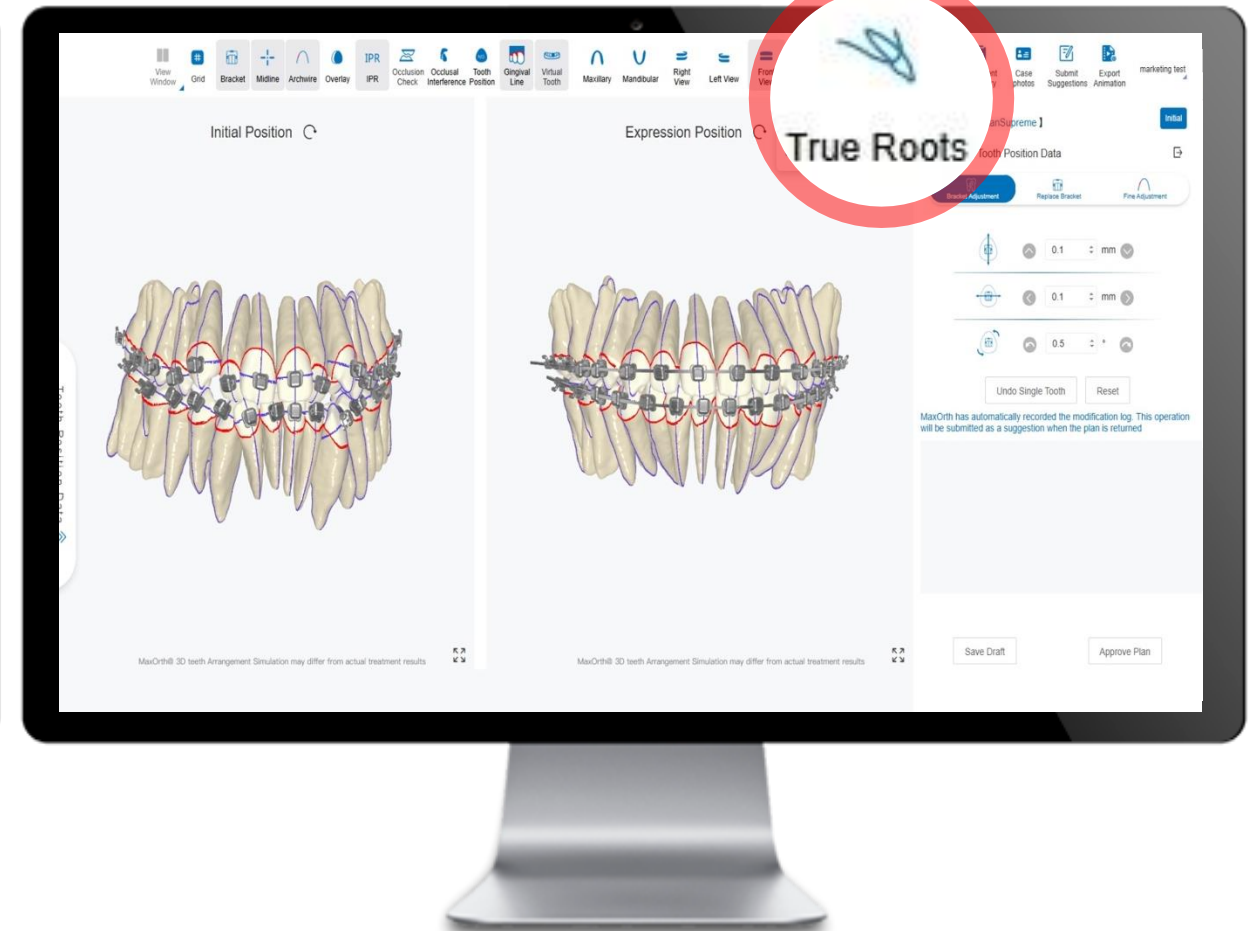
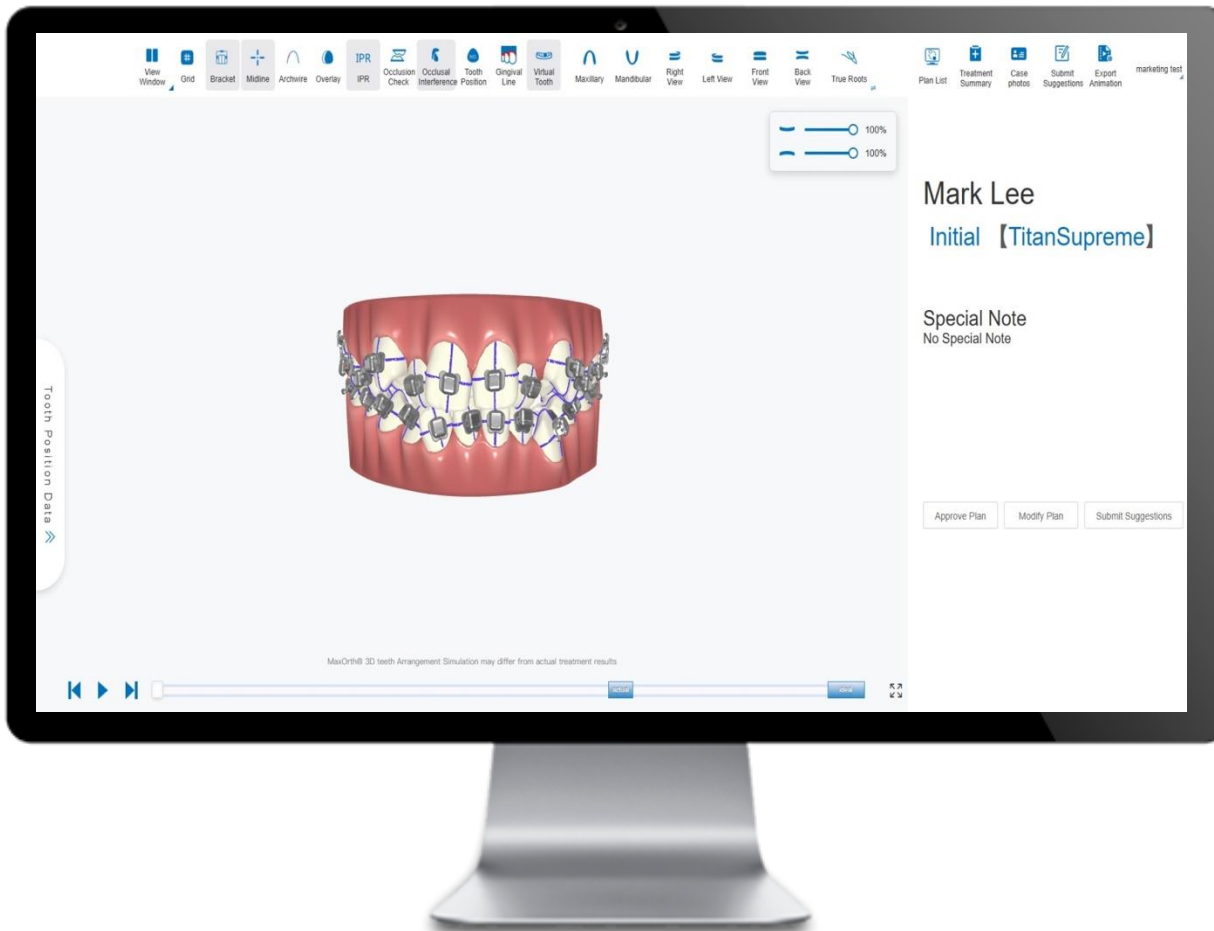


● Plan and Review Interface

Select different display tools as needed from the horizontal toolbar.

Roots are hidden by default.

Click " True Roots " to view.

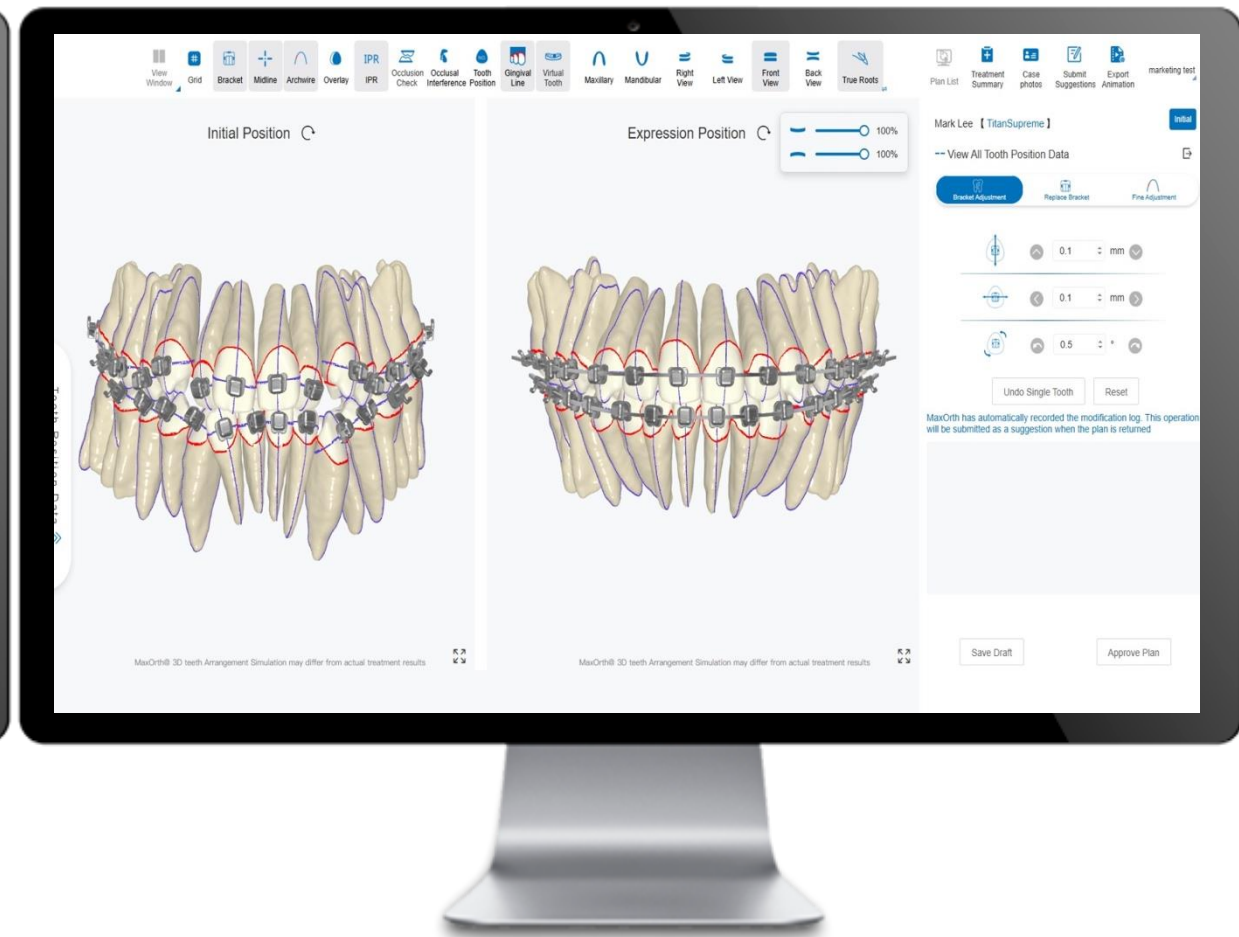
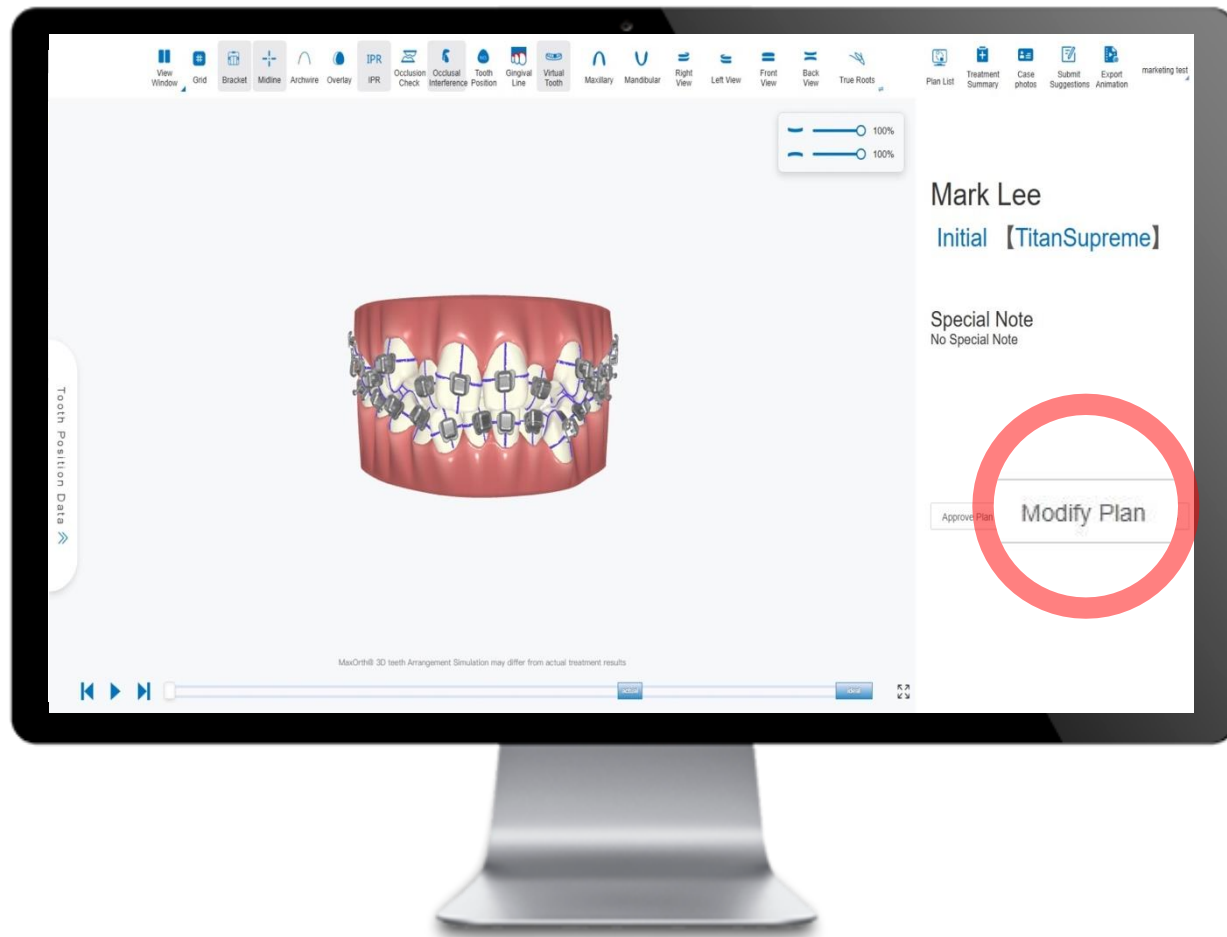


- **Plan Modification & Adjustment (Bracket Positioning)**

If adjustments are needed, the initial plan should be confirmed by the dentist.

For modification, click “Modify Plan” .

Enter bracket adjustment interface.

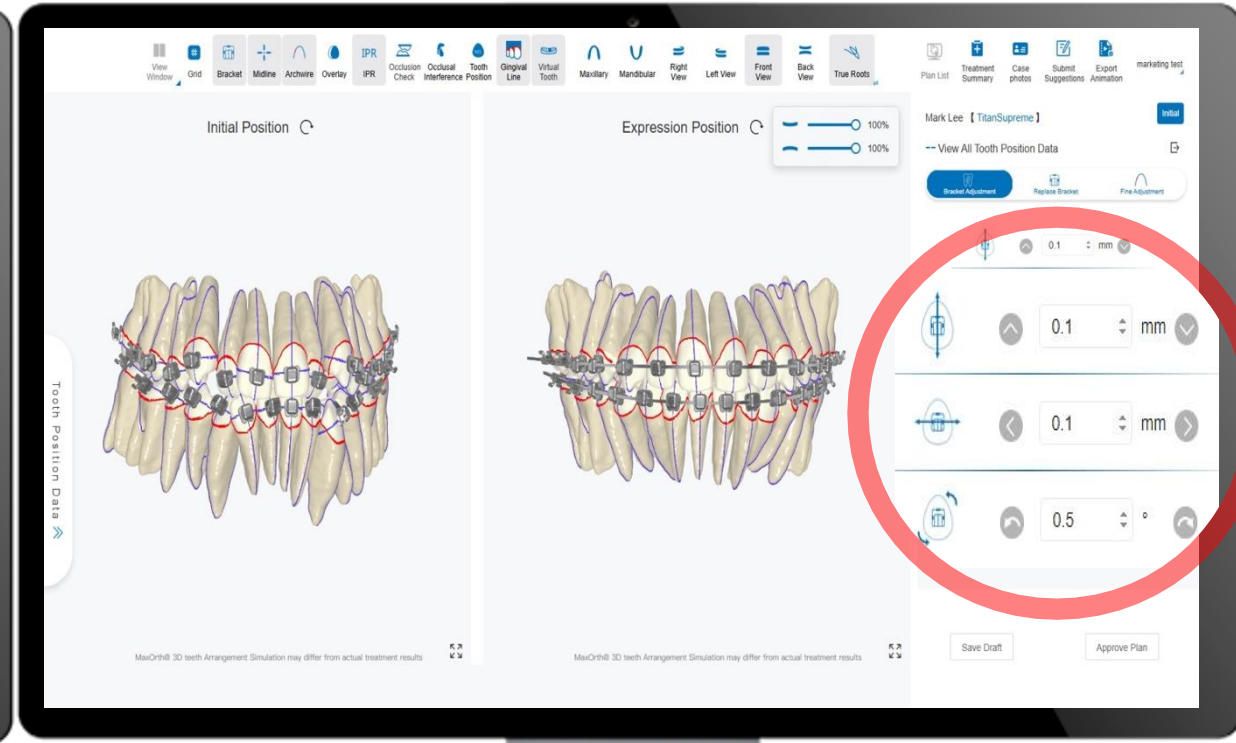
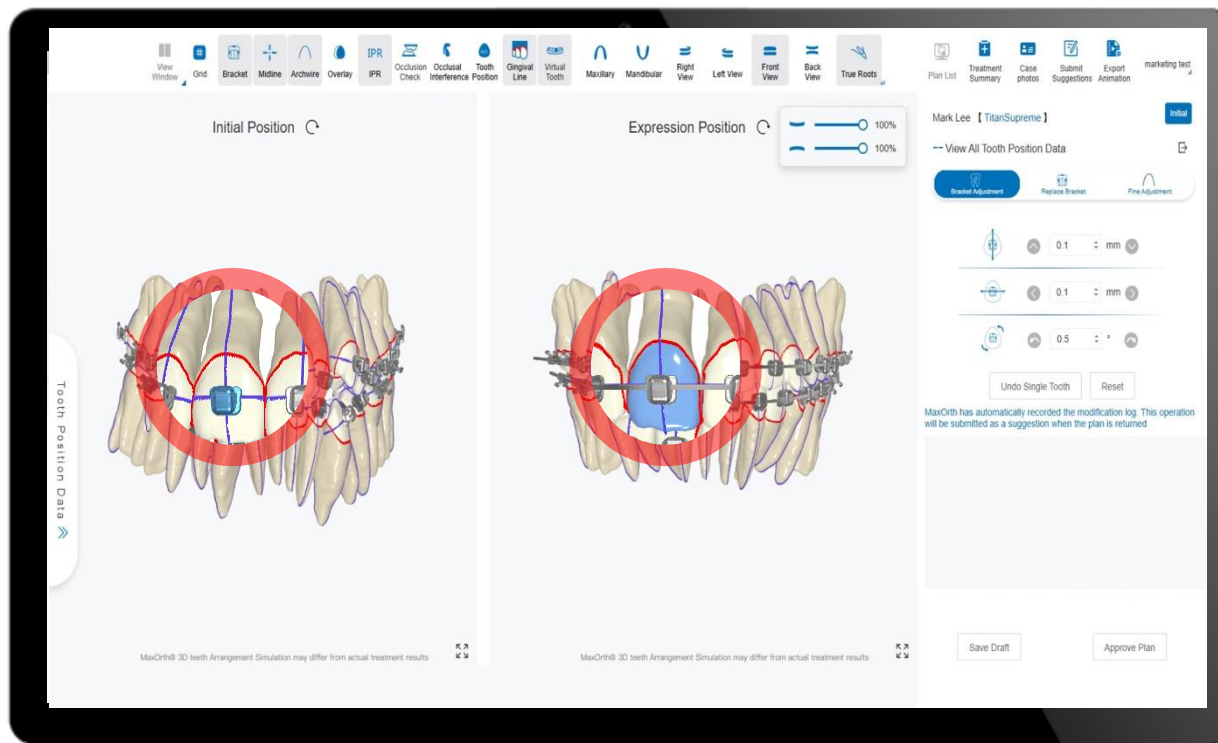


• Bracket Positioning Modification

Real-time synchronization of final position modifications based on true root rendering.

Right-click to select the corresponding tooth position.

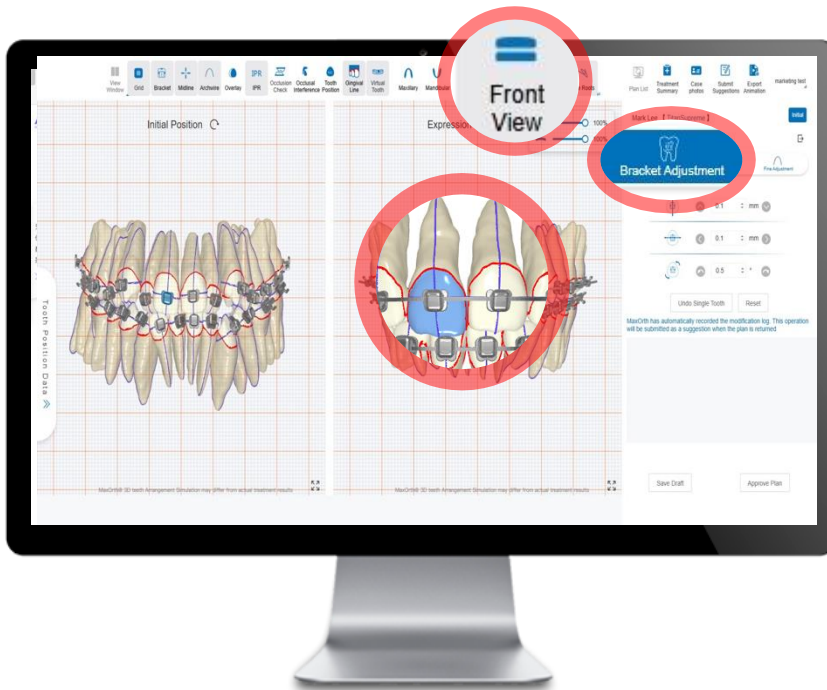
Adjustments can be made in various 3D dimensions.



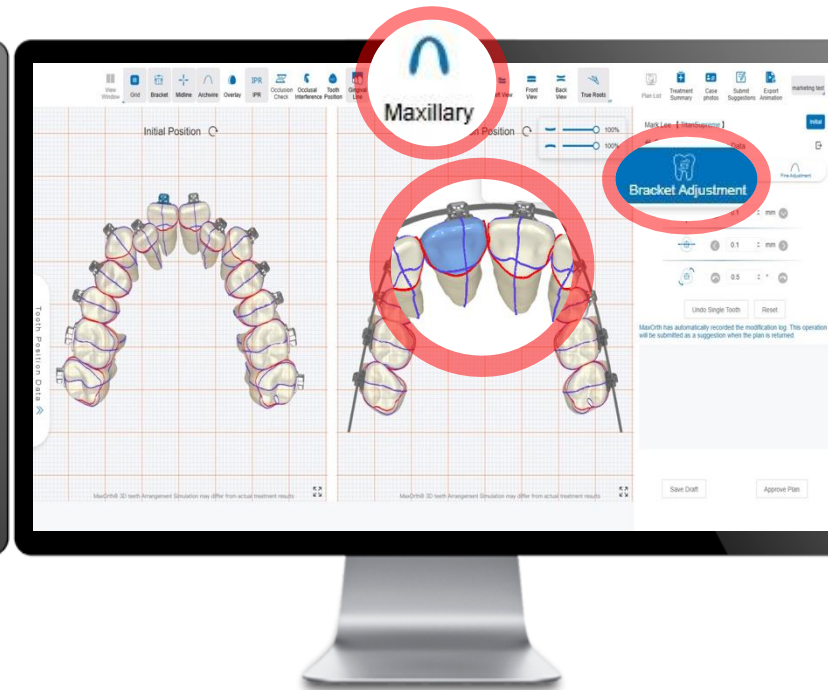
- Different Bracket Positions will Lead to Different Treatment Outcomes

[Bracket Adjustment] Tips: Make full use of view adjustment tools to switch between different perspectives and observe changes in bracket positioning modifications.

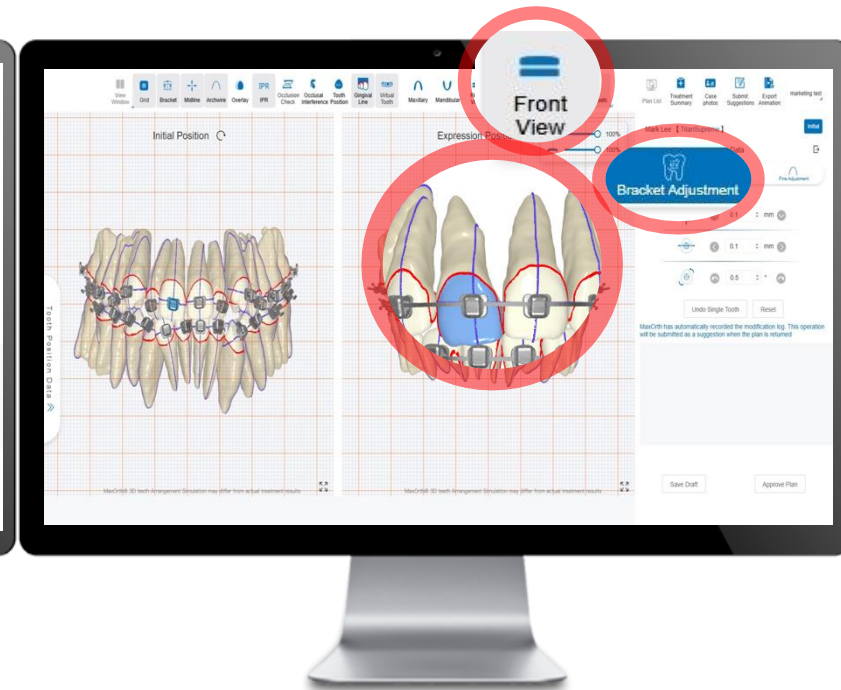
Vertical Direction



Mesiodistal Direction



Torque

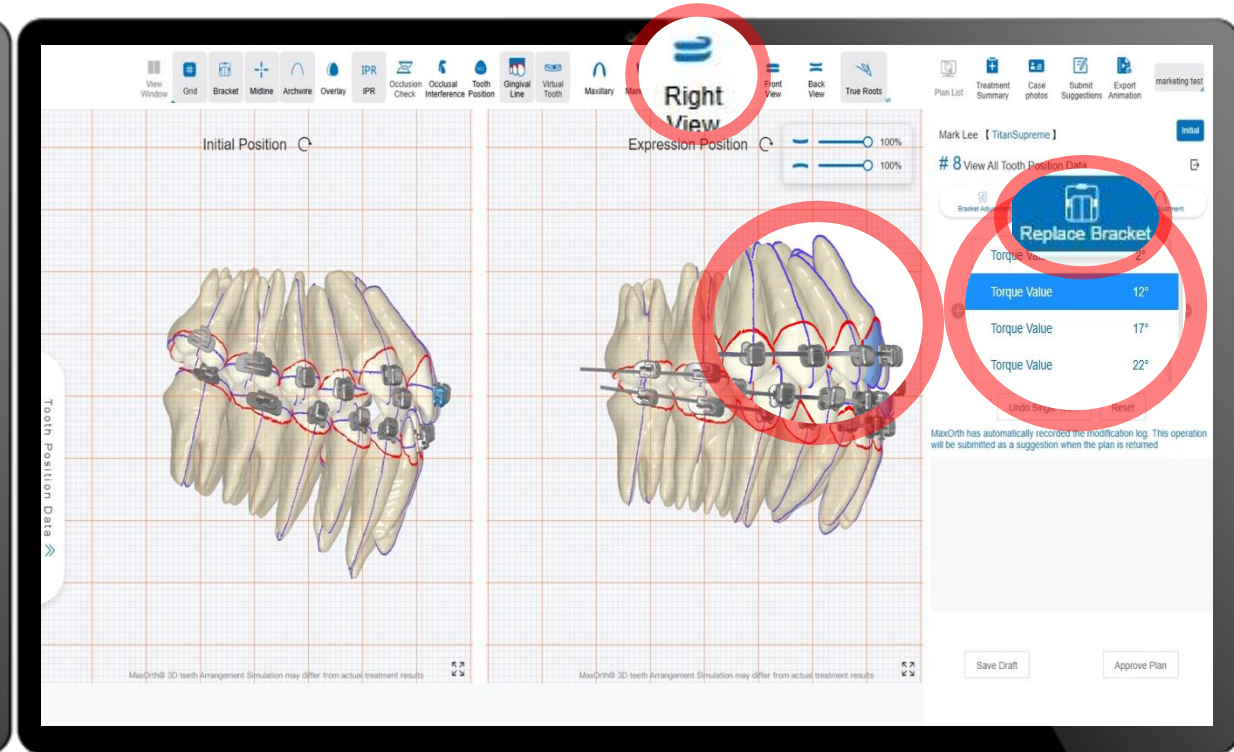
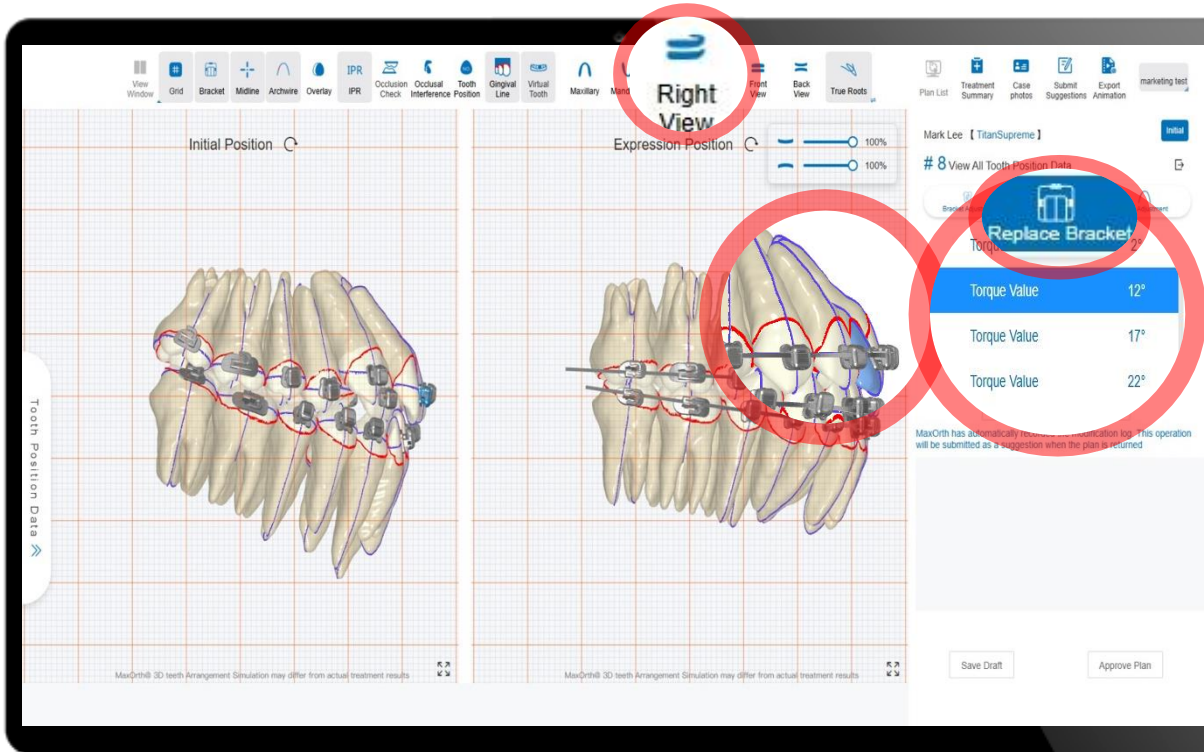


- **Different Bracket Positions will Lead to Different Treatment Outcomes**

[Replace Bracket] Tips: OrthoGuide's customized bracket supports individual tooth torque adjustment.

Select the individual tooth position that requires bracket replacement.

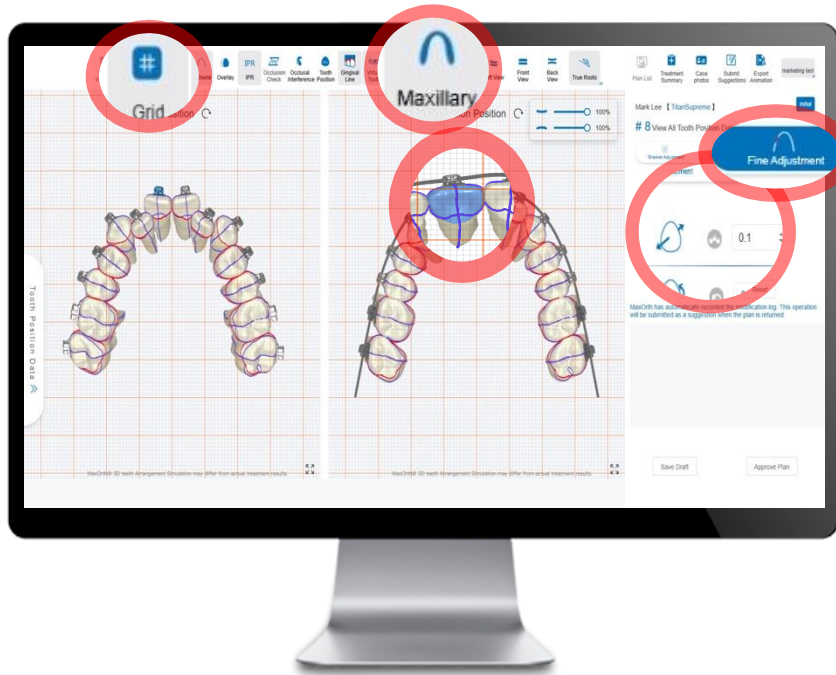
Support adjustment of brackets with different torque values.



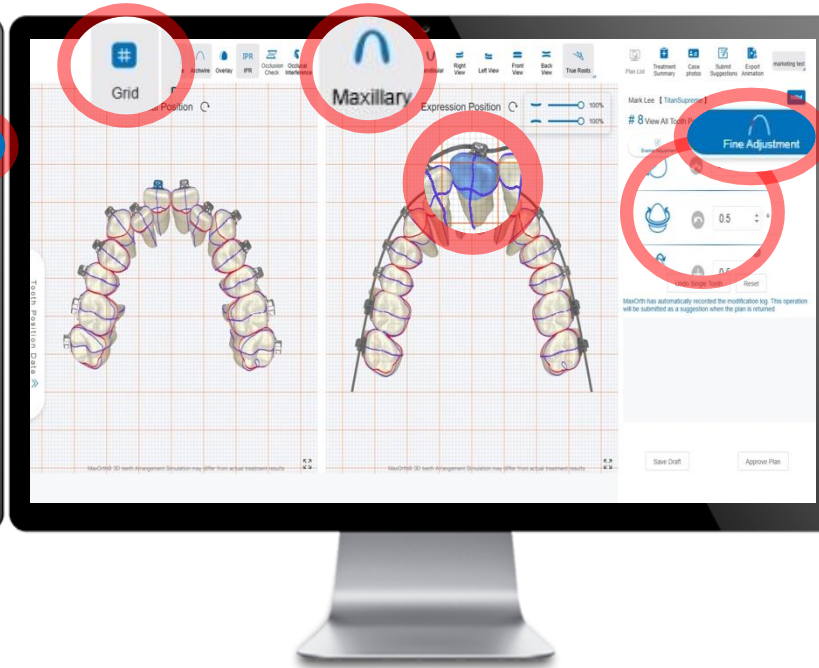
- **Different Bracket Positions will Lead to Different Treatment Outcomes**

[Fine Adjustment] Tips: Utilize the grid tool to assess clinically achievable arch width. 1 grid = 1 mm.

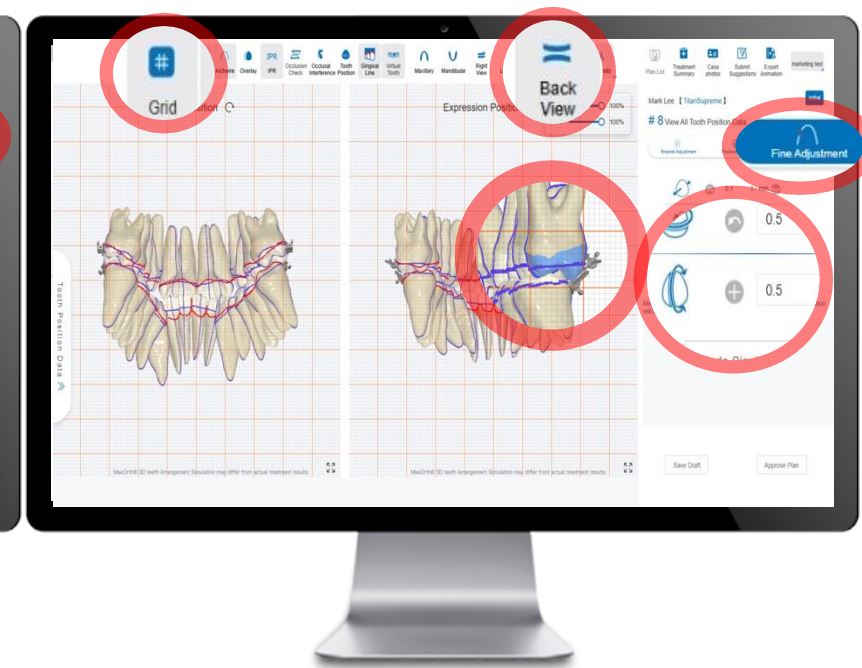
Labiolingual Direction



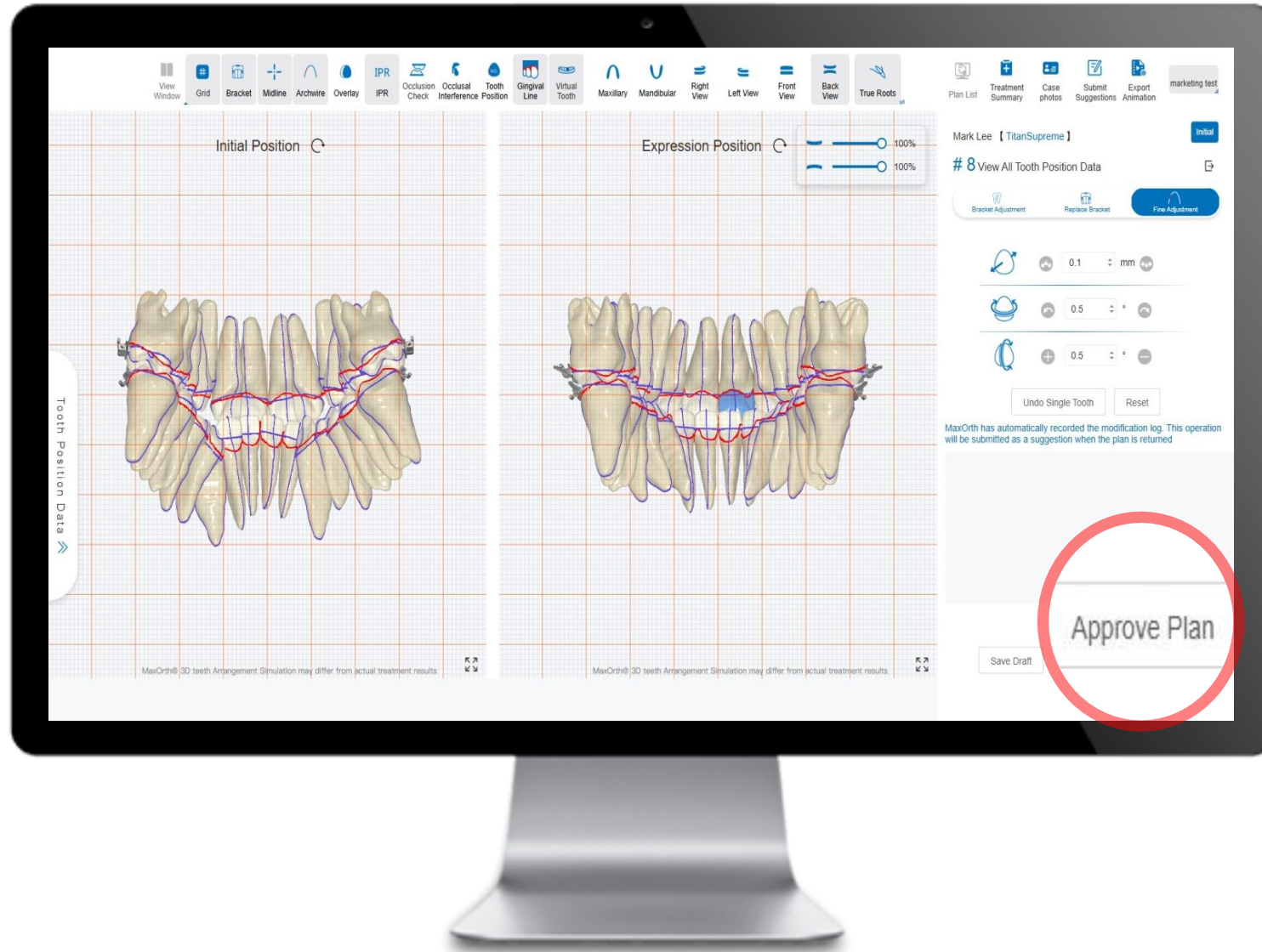
Mesiodistal Direction



Torque



- After Reviewing the Plan and Confirming no objections, Select “Approve Plan” .



• Online Interactive System Toolbar Functions Introduction

The toolbar integrates diagnosis, design, simulation, and communication, enabling dentists to simulate the entire treatment process in a virtual environment, optimize bracket positioning design, and improve the efficiency of dentist-patient communication.



Reference Tools	Design Adjustment	Space Management	Occlusion Review	Visualization Control
Grid: Establish a 3D reference plane to assist in evaluating the symmetry of tooth alignment, midline alignment, and arch form. Truth Roots: Display the position and inclination angle of tooth roots to avoid risks of root collision or fenestration during treatment.	Bracket: Place or adjust bracket positions to simulate orthodontic results. Archwire: Place full-size archwires to observe the final positioning of brackets.	Interproximal Reduction (IPR): Simulate interproximal stripping operations, quantify the reduction amount, and evaluate how to obtain the space required for alignment. Overlay: Compare changes in tooth positions before and after treatment to visually display differences in movement.	Occlusal Interference: Detect early contact points or interference areas of teeth in the treatment plan. Tooth Position/Occlusion: Step-by-step check details such as an anterior teeth overjet/overbite and posterior teeth cuspid-fossa relationships. Gingival: Display the separation between gingiva and crowns to evaluate the clinical crown positioning of brackets.	View Switching (Front/Back/Left/Right View): Observe tooth alignment, arch form, and occlusal relationship from all directions. Maxillary/Mandibular: Analyze the form and position of a single dental arch separately. Initial vs. Expressed Position: Switch in real-time to compare pre- and post-treatment states and verify the feasibility of the plan.
Application Scenario: During initial diagnosis, dentists can quickly assess the degree of dental arch asymmetry using the grid and midline; monitor tooth positions in real-time during tooth arrangement to ensure safe movement.	Application Scenario: When designing a customized orthodontic plan, dentists can test the overlapping position of the dental model and brackets. Or demonstrate the treatment plan design of traditional fixed orthodontics to patients.	Application Scenario: Dentists can plan the amount and thickness of IPR using the IPR tool. Then, explaining the movement process of teeth from the “initial position” to the “expressed position” to patients using the overlay function.	Application Scenario: Simulate the final occlusal effect combined with the final position.	Application Scenario: When presenting the plan to patients, explain the treatment goals through multi-angle comparison. Focus on specific areas (e.g., posterior teeth crossbite) for fine adjustment in complex cases.

THANKS FOR READING

